

Feedback Product Data Sheet



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Encoder Cable. EC-...P-S2



- Encoder cable for incremental linear or angular encoders with TTL differential signal output.
- Direct connection to Siemens SMC30 module.
- Twisted pairs for differential signals.
- Available in 1, 3, 4, 5, 6, 7, 9 & 12 meter lengths with armour.
- Available with or without armour.

Pin Out

Pin Input	Colour	Signal	Pin Output
Green		A	15
Yellow		/A	14
Blue		B	13
Red		/B	12
Grey		Io	10
Pink		/Io	11
Brown		+5 V	4
Linked to 4		+5 V	5
White		0 V	7
Shield		Ground	Housing

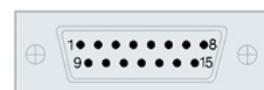
Pin Layout

Cable Diagram

Pin Layout



L = 1, 3, 4, 5, 6, 7, 9, 12 meters, with armour



Front view

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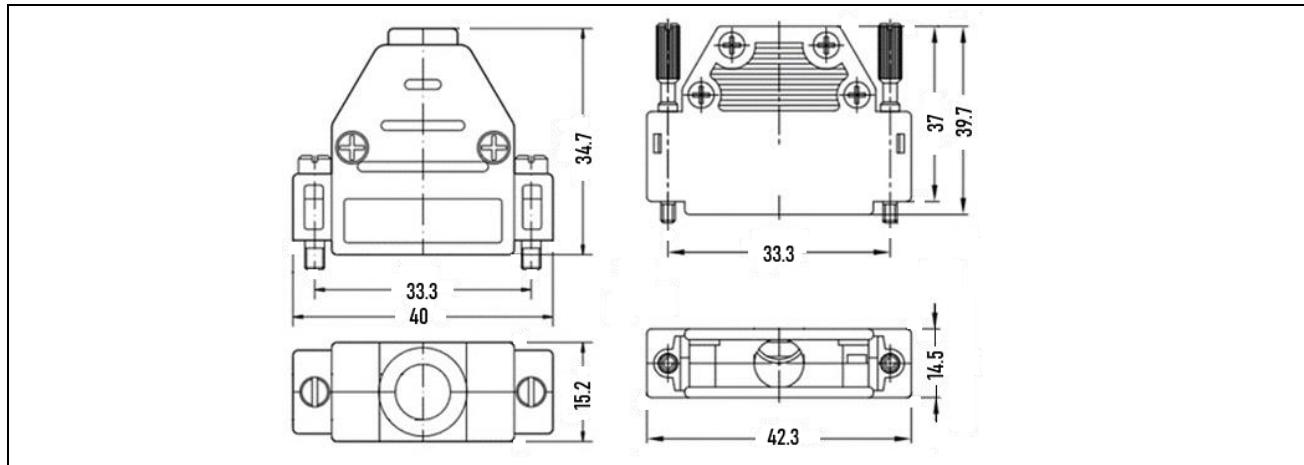
Lead-in Connector

Cable Specification

Terminating Connector

Construction	4 x 2 x 0.14 mm ²
Material	Polyurethane
Ø without armour	6 mm
Bend radius dynamic	≥ 60 mm
Bend radius static	≥ 24 mm
Ø with armour	10 mm
Bend radius dynamic	≥ 60 mm
Bend radius static	≥ 35 mm
Shield	Single
Terminating connector	D-Sub 15 pole male

Housing dimensions slightly differ for manufacturers



Order Information

EC-(x)P-S2

Where (x) = 1, 3, 4, 5, 6, 7, 9 or 12 meters lengths with armour. Indicate “-N” for no armour.

Example

Order Code	Description
EC-3P-S2	Encoder cable of 3 meters, cable type “P” specifications as above and terminating connector D-Sub 15 pole male, with armour.

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